ABSTRACT OF THE DISCLOSURE

A door is moved in an opening direction at a first speed until the door reaches a decelerating area. A moving speed of the door in the opening direction is decelerated from the first speed to a second speed being lower than the first speed while the door has been moved in the decelerating area. The movement of the door is stopped when the door is moved beyond the decelerating area, the door comes in contact with an obstacle, and the moving speed of the door becomes lower than a predetermined speed corresponding to an open position of the door by a predetermined threshold value.